Reply to Final Office Action of July 8, 2010

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of Claims:

1-95. (Canceled).

96. (Currently Amended) An apparatus for reinforcing a bifurcated lumen

comprising:

a proximal stent having a proximal end and a distal end, the proximal stent

further having a proximal orifice at the proximal end to be located in and when

expanded to be supported by a vascular vessel;

at least one distal stent having a proximal end and a distal end;

the proximal stent having at least two transversely placed tapering portions

that extend from an intermediate portion to the distal end of the proximal stent to

reinforce the bifurcated lumen;

the proximal stent also having at least one distal orifice at the distal end of at

least one of the tapering portions which when expanded serves to receive the

proximal end of the at least one distal stent;

wherein the proximal stent and the at least one distal stent each comprises an

expandable stent constructed with a wire skeleton having one or more parts that

extends from the respective proximal ends to the respective distal ends to further

reinforce the bifurcate bifurcated lumen;

wherein the proximal stent and the at least one distal stent each comprises a

plurality of hoops which are axially displaced in a tubular configuration along a

common axis, each of said hoops being formed by a substantially complete turn of a

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sinuous wire having apices and having a circumference that lies in a plane

substantially perpendicular to the longitudinal axis of said stent, wherein apices of

adjacent hoops are juxtaposed to one another and at least two juxtaposed apices are

connected by a securing means; and

wherein a cross-sectional area of the at least one distal orifice when

expanded is sufficiently less than that of the proximal end of the at least one distal

stent when expanded within the at least one distal orifice so as to at least partially

secure together the proximal and distal stents.

97. (Currently Amended) The apparatus according to claim 96, wherein the

distal end intermediate portion to the distal end of the proximal stent has a first

intermediate portion which [[is]] forms an extended to form a distal portion, and a

second intermediate portion which has a distal orifice which has a relatively short

inclined extension forming one of the transversely spaced tapered portions to enable

the distal stent to be located therein when the short extension has been expanded, the

distal stent having the proximal end which when expanded will at least partially

secure with the short extension.

98. (Currently Amended) The apparatus according to claim 96, wherein the

distal end of the proximal stent has first and second distal portions formed from the

two transversely placed tapering portions, the first distal portion having the at least

one distal orifice and the second distal portion having another distal orifice for the

receipt of the at least one distal stent, each of which will have a stent expandable to

a cross-sectional area sufficiently greater than the cross-sectional area(s) of the distal

orifices to at least partially secure together the proximal and distal stents.

99. (Previously Presented) The apparatus according to claim 96, wherein a

portion of at least one of the proximal stent and the distal stent has a different

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radiopacity, the portion of different radiopacity facilitating proper alignment of the proximal and distal stents.

100. (Currently Amended) The apparatus according to claim 96, further comprising:

radiographic indicia defined on at least one of the proximal stent and the distal stent and having different radiopacity from the stent, wherein [[the]] a composite radiographic image of the radiographic indicia varies with [[the]] a rotational orientation of the at least one of the proximal stent and the distal stent;

wherein the rotational orientation of the <u>at least one of the proximal stent and</u> the <u>distal</u> stent in <u>the vascular vessel of a</u> the body lumen <u>or the bifurcated lumen</u> is indicated by the radiographic image for optional adjustment of the rotational orientation.

- 101. (Currently Amended) The apparatus according to claim 96, wherein an assembly of the proximal and the distal stents being is configured for placement at an angeological bifurcation of a vessel into two branched vessels, the proximal stent defining two lumens, at least one of which is configured to be disposed entirely within said vessel and is adapted to secure to the distal stent configured to extend into one of the two branched vessels.
- 102. (Currently Amended) The apparatus according to claim 101, the assembly of the proximal and the distal stents further comprising a male engaging portion having a frustoconical configuration that flares outward on the proximal end of the at least one distal stent, and at least one female engaging portion having a frustoconical configuration that tapers inward toward the at least one distal orifice at the distal end of the proximal stent, the male engaging portion being configured to be positioned at least partially within the female engaging portion for inter-engagement between the outer surface of the male engaging portion and the inner surface of the female

engaging portion to resist longitudinal movement to at least partially secure the male engaging portion to the female engaging portion, each of the male engaging portion and the female engaging portion comprising a stent with complementary flared and tapered frustoconical wired skeletons.

103. (Currently Amended) The apparatus according to claim 102, the assembly of the proximal and the distal stents further comprising at least one of the proximal stent and the distal stent having a fabric layer attached to the stent, the fabric layer being configured to be interposed between the male engaging portion and the female portion to form a substantially fluid-tight seal upon assembly.

104. (Currently Amended) An apparatus for reinforcing a bifurcated lumen comprising:

a proximal stent having a proximal end and a distal end, the proximal stent being expandable and having a proximal orifice at the proximal end;

first and second distal stents each having a proximal end and a distal end; the proximal stent having at least two transversely placed tapering portions that extend from an intermediate portion to the distal end of the proximal stent to reinforce the bifurcated lumen;

the proximal stent also having a distal orifice at the distal end of at least one of the tapering portions that when expanded receives at least one proximal end of the first and second distal stents;

wherein each of the proximal and distal stents comprises an expandable stent constructed with a wire skeleton having one or more parts that extends from the respective proximal ends to the respective distal ends to further reinforce the bifurcated lumen;

wherein the proximal stent and the at least one distal stent each comprises a plurality of hoops which are axially displaced in a tubular configuration along a common axis, each of said hoops being formed by a substantially complete turn of a

sinuous wire having apices and having a circumference that lies in a plane substantially perpendicular to the longitudinal axis of said stent, wherein apices of adjacent hoops are juxtaposed to one another and at least two juxtaposed apices are connected by a securing means; and

wherein a cross-sectional area of [[the]] at least one distal orifice of the proximal stent when expanded is sufficiently less than the sum of a cross-sectional areas area of [[the]] a proximal end at least one proximal ends of the first or second distal stent when expanded within the at least one distal orifice, so as to at least partially secure together the proximal and first or second distal stents at the at least one distal orifice when at least one of the proximal end of the first or second distal stents is expanded therein.

- 105. (Previously Presented) The apparatus according to claim 104, wherein the proximal and distal stents are further secured with a suture.
- 106. (Currently Amended) An apparatus for reinforcing a bifurcated lumen comprising:

a proximal stent and a pair of distal stents each having a proximal end and a distal end, the proximal stent being expandable and having the distal end and a proximal orifice at the proximal end, the proximal stent having at least two transversely placed tapering portions that extend from an intermediate portion to the distal end of the proximal stent to reinforce the bifurcated lumen, the proximal stent also having at least two distal orifices at the distal ends of the tapering portions which when expanded serve to receive the proximal ends of the pair of distal stents, wherein each of the proximal and distal stents comprises an expandable stent constructed with a wire skeleton having one or more parts that extends from the respective proximal ends to the respective distal ends to further reinforce the bifurcated lumen, wherein the proximal stent and the at least one distal stent each comprises a plurality of hoops which are axially displaced in a tubular configuration

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along a common axis, each of said hoops being formed by a substantially complete turn of a sinuous wire having apices and having a circumference that lies in a plane substantially perpendicular to the longitudinal axis of said stent, wherein apices of adjacent hoops are juxtaposed to one another and at least two juxtaposed apices are connected by a securing means, and wherein [[the]] cross-sectional areas of each of the two distal orifices of the proximal stent when expanded are sufficiently less than the sum of the cross-sectional areas of each of the proximal ends of the distal stents when expanded within the distal orifices to at least partially secure together the proximal and distal stents at the distal orifice when the proximal end of the distal stents are expanded therein.